

## T/S PARAMETERS

	<b>PF-SW100D4</b>	<b>PF-SW120D4</b>
Fs (Hz)	45.30	38.30
Qms	2.72	2.93
Vas (liters)	19.31	44.69
Vas (Cu ft)	0.07	1.58
Mms (gms)	114.81	154.41
Mms (oz)	4.05	5.44
Rms (kg/s)	12.03	12.68
Rms (lb/s)	26.50	27.93
Cms (um/N)	107.00	112.00
Xmax (mm)	6.00	6.00
Xmax (inches)	0.24	0.24
Xmech (mm)	9.00	9.00
Xmech (inches)	0.35	0.35
Dv (mm)	212.70	259.80
Dv (inches)	8.37	10.23
Sd (sq cm)	356.33	530.93
Sd (sq inches)	55.23	82.29
Vd (liters)	0.21	0.32
Vd (cu.ft.)	0.0075	0.0112
Qes	0.84	0.84
Re (Ohms)	4.18	4.47
Le (mH)	1.42	1.43
BL	12.73	14.04
Qts	0.64	0.65
no (%)	0.21	0.29

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# DUAL 4 OHM SUBWOOFER MANUAL



# PERFORMANCE DUAL 4 OHM SUBWOOFER MANUAL

## SUBWOOFER PARAMETERS

	PF-SW100D4	PF-SW120D4
Peak Power (Watts)	1400	1600
Rated Power (Watts)	350	400
Frequency Response	38Hz - 1.5kHz	30Hz - 1.2kHz
Impedance	2 x 4 Ohm	2 x 4 Ohm
Sensitivity	87dB	89dB
Cone Material	Pressed Paper	Pressed Paper
Voice Coil Type	Round Wound Copper	Round Wound Copper
Mounting Depth	145mm (5-11/16")	158mm (6-1/4")
Mounting Diameter	230mm (9-1/16")	279mm (11")

## OPTIMUM ENCLOSURES

PF-SW100D4	Ported	Sealed
Volume	25L (0.88 cu.ft)	15L (0.53 cu.ft)
Fb (Hz) Tuned frequency	42Hz	62Hz
Port Diameter	76.2mm (3")	-
Port Length	116mm (4-9/16")	-
PF-SW120D4	Ported	Sealed
Volume	40L (1.4 cu.ft)	25L (0.88 cu.ft)
Fb (Hz) Tuned frequency	38Hz	64Hz
Port Diameter	76.2mm (3")	-
Port Length	101mm (4")	-

## CONTENTS OF THE BOX:

- 1 X SUBWOOFER
- 8 X MOUNTING SCREWS
- 1 X MOUNTING GASKET
- 1 X MOUNTING TEMPLATE
- 1 X WARRANTY
- 1 X USER MANUAL

## REGISTER YOUR PRODUCT ONLINE:

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## INSTALLATION GUIDELINES

Ensure the audio system is turned off before making any connections to the amplifier, speakers or source unit.

Failure to do so could result in permanent damage to the audio system.

When wiring the subwoofer ensure that the wire is protected from sharp objects and always use rubber grommets when wiring through metal panels. Ensure all terminals and connections are protected from the vehicle chassis and from each other as failure to do so could result in permanent damage to the audio system.

When connecting the amplifier and subwoofer ensure you connect the positive and negative output wire from the amplifier to the corresponding subwoofer terminals.

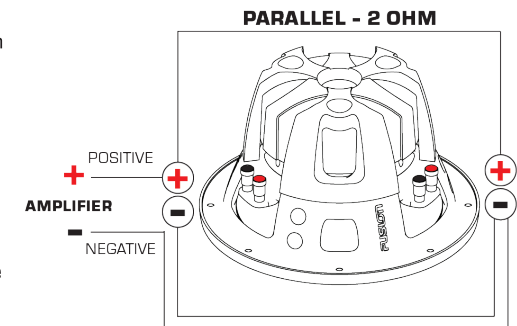
- 1) Ensure there is adequate clearance and depth for the subwoofer to be mounted
- 2) Mark out & cut the correct diameter hole
- 3) Drill the holes for the mounting screws
- 4) Connect speaker wires to the appropriate terminals.
- 5) Insert the subwoofer and affix with the appropriate screws

## SERIES AND PARALLEL VOICE COIL WIRING

### PARALLEL

To wire a dual 4 Ohm voice coil subwoofer in parallel (for 2 Ohm configuration), use two short pieces of speaker wire to link the positive of the first voice coil to the positive of the second voice coil. Link the negative of the first voice coil to the negative of the second voice coil.

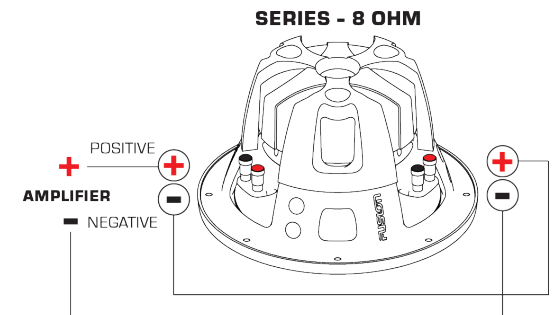
Connect the positive amplifier output to the positive of the first voice coil. Connect the negative amplifier output to the negative of the second voice coil. Note the amplifier connects to the subwoofer on opposite sides to equalise connection resistance.



### SERIES

To wire a dual 4 Ohm voice coil subwoofer in series (for 8 Ohm configuration), connect the amplifier positive output to the first voice coil positive.

Using another short piece of speaker wire link the negative of the first voice coil to the positive of the second voice coil. Connect the negative of the second voice coil to the amplifier negative.



**WARNING:** Audio Systems can produce sound levels over 135dB. Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss! Please watch for emergency vehicles as warning signals may not be heard. USE COMMON SENSE!



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